

**In The Matter Of:**

*Stephen Packman*

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(b) (6), (b) (7)(C)

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*Original File* (b) (6), (b) (7)(C) .prn

*Min-U-Script® with Word Index*



## P R O C E E D I N G S

(b) (6), (b) (7)(C) Okay, so the mike is on and it's recording. So I'm here at the U.S. Ecology. I'm here with (b) (6), (b) (7)(C), (b) (6), (b) (7)(C) Greg Goldberg and Joe Teig from Holland & Hart; and then (b) (6), (b) (7)(C) from EPA.

(b) (6), (b) (7)(C) how -- how many years have you (b) (6), (b) (7)(C)  
(b) (6), (b) (7)(C)

(b) (6), (b) (7)(C) I (b) (6), (b) (7)(C)

(b) (6), (b) (7)(C)

(b) (6), (b) (7)(C) I also worked for (b) (6), (b) (7)(C)

(b) (6), (b) (7)(C)

(b) (6), (b) (7)(C) So were you there for the

(b) (6), (b) (7)(C) --

(b) (6), (b) (7)(C) No, (b) (6), (b) (7)(C) U.S. Ecology acquired the facility from EnviroSAFE in February of 2001  
(b) (6), (b) (7)(C)

(b) (6), (b) (7)(C) What did you do between (b) (6), (b) (7)(C)

(b) (6), (b) (7)(C)

(b) (6), (b) (7)(C) (b) (6), (b) (7)(C) . I

worked for (b) (6), (b) (7)(C) . I worked

(b) (6), (b) (7)(C) . And then I worked for

(b) (6), (b) (7)(C)

(b) (6), (b) (7)(C)

(b) (6), (b) (7)(C)

1 (b) (6), (b) (7)(C) .

2 (b) (6), (b) (7)(C) So (b) (6), (b) (7)(C)

3 (b) (6), (b) (7)(C) ?

4 (b) (6), (b) (7)(C) So (b) (6), (b) (7)(C)

5 (b) (6), (b) (7)(C) . So

6 (b) (6), (b) (7)(C)

7 (b) (6), (b) (7)(C) .

8 (b) (6), (b) (7)(C)

9 (b) (6), (b) (7)(C)

10 (b) (6), (b) (7)(C)

11 (b) (6), (b) (7)(C) .

12 And then (b) (6), (b) (7)(C) got Field Services Group, which

13 provides transportation and logistics services throughout

14 the west. (b) (6), (b) (7)(C) got service centers in several locations,

15 in Washington, and California, and Arizona, and Colorado.

16 But (b) (6), (b) (7)(C) run trucks. (b) (6), (b) (7)(C) do LTL work. (b) (6), (b) (7)(C) do retail

17 services. (b) (6), (b) (7)(C) do some onsite work, things like lab

18 packing, household hazardous waste. So (b) (6), (b) (7)(C)

19 (b) (6), (b) (7)(C)

20 (b) (6), (b) (7)(C)

21 (b) (6), (b) (7)(C)

22 (b) (6), (b) (7)(C)

23 (b) (6), (b) (7)(C) Like you were saying, (b) (6), (b) (7)(C)

24 (b) (6), (b) (7)(C) .

25 (b) (6), (b) (7)(C) Yes .

1 (b) (6), (b) (7)(C) You were (b) (6), (b) (7)(C) there,  
2 is that --

3 (b) (6), (b) (7)(C) In (b) (6), (b) (7)(C)

4 Well, (b) (6), (b) (7)(C)

5 (b) (6), (b) (7)(C) . But I came (b) (6), (b) (7)(C)

6 (b) (6), (b) (7)(C) So I was the

7 (b) (6), (b) (7)(C) . I became the

8 (b) (6), (b) (7)(C)

9 (b) (6), (b) (7)(C) So that kind of leads me to the  
10 next question about so what -- how long has that facility  
11 been taking in metallic waste and more specifically  
12 magnesium waste?

13 (b) (6), (b) (7)(C) To my knowledge, (b) (6), (b) (7)(C) started to  
14 evaluate waste streams such as metal fines (b) (6), (b) (7)(C)  
15 (b) (6), (b) (7)(C) . I'm not absolutely  
16 positive about that. But I think it was somewhere around  
17 that time that (b) (6), (b) (7)(C) started to have inquiries from  
18 generators with metal fines. And so (b) (6), (b) (7)(C) started to  
19 evaluate them. Obviously, they're all different waste  
20 streams. But it was about that time that I think (b) (6), (b) (7)(C)  
21 started to, to do deactivation of metal fines.

22 (b) (6), (b) (7)(C) And so when (b) (6), (b) (7)(C) were  
23 evaluating that, what -- what different things were (b) (6), (b) (7)(C)  
24 taking a look at? Like what -- just like if (b) (6), (b) (7)(C) could do  
25 it, if the facility could handle it, like what different

1 types of things were (b) (6), (b) (7)(C) discussing to be able to take  
2 that on?

3 (b) (6), (b) (7)(C) All of (b) (6), (b) (7)(C) waste streams go through a  
4 process whereby (b) (6), (b) (7)(C) sales exec may be contacted by a  
5 customer, broker, or generator and would send (b) (6), (b) (7)(C) some  
6 preliminary information about a waste streams. (b) (6), (b) (7)(C) would  
7 take that information and start to ask questions. (b) (6), (b) (7)(C) want  
8 to know exactly what process generates the waste. (b) (6), (b) (7)(C) want  
9 to know exactly what the material is.

10 As you know in RCRA, the generators bear the  
11 responsibility of identifying exactly what's in a waste  
12 streams before they send it to you. And (b) (6), (b) (7)(C) process  
13 involves a level of scrutiny where (b) (6), (b) (7)(C) have a lot of  
14 questioning from a waste approval manager, from -- on (b) (6), (b) (7)(C)  
15 site, (b) (6), (b) (7)(C) have a director of technical services, who is a  
16 chemical engineer, who is going to ask further questions.

17 And in some cases, (b) (6), (b) (7)(C) will actually have a  
18 pre-shipment sample sent to the facility long before (b) (6), (b) (7)(C)  
19 ever accept a profile. In some cases, (b) (6), (b) (7)(C) actually gone  
20 out to visit with generators to look at their process, to  
21 evaluate the waste stream before (b) (6), (b) (7)(C) would receive it.

22 (b) (6), (b) (7)(C) Is anything like that done with  
23 Reade Manufacturing and their waste stream, actually going  
24 out to the facility and take a look at it?

25 (b) (6), (b) (7)(C) Not to my knowledge. It may have

1 been done by (b) (6), (b) (7)(C) sales exec, but to my knowledge, no. (b) (6)

2 (b) (6), (b) (7)(C)

3 (b) (6), (b) (7)(C) Who is the sales exec that may  
4 have done that?

5 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C) name is (b) (6), (b) (7)(C) .

6 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C) . So when this  
7 process was taken a look at, the metal fines, was it --  
8 did it follow the same process where the technical manager  
9 was taking a look at this or was it the higher level  
10 management team that was, was looking at that?

11 (b) (6), (b) (7)(C) Yeah. So in my recollection of this  
12 particular generator customer, (b) (6), (b) (7)(C) had several back and  
13 forth questioning before the profile was received. And (b) (6), (b) (7)(C)  
14 had received a pre-shipment sample for testing and  
15 analysis ourselves before (b) (6), (b) (7)(C) actually approved the  
16 profile.

17 (b) (6), (b) (7)(C) Reade Manufacturing wasn't the  
18 -- were they the first company that brought you metal  
19 fines and magnesium powder to be --

20 (b) (6), (b) (7)(C) No.

21 (b) (6), (b) (7)(C) Okay. So before that, when (b) (6), (b) (7)(C)  
22 were just -- when (b) (6), (b) (7)(C) were just looking at can (b) (6), (b) (7)(C) start  
23 this waste stream as a whole, who all takes a look at  
24 that? Is it still the same people that would do a profile  
25 on a new generator with a waste stream you already take?

1 (b) (6), (b) (7)(C) Yeah. So the one I really remember,  
2 the first time (b) (6), (b) (7)(C) looked at handling this type of  
3 material, which is a reactive material, metal fine for  
4 deactivation and disposal was (b) (6), (b) (7)(C) That's (b) (6), (b) (7)(C)  
5 (b) (6), (b) (7)(C) in (b) (6), (b) (7)(C) which is (b) (6), (b) (7)(C) is the  
6 division over there, and they make a couple of different  
7 products. Specifically, (b) (6), (b) (7)(C) were looking at zirconium  
8 material.

9 And (b) (6), (b) (7)(C) (b) (6), (b) (7)(C)

10 (b) (6), (b) (7)(C)

11 (b) (6), (b) (7)(C)

12 (b) (6), (b) (7)(C)

And

13 then, of course, (b) (6), (b) (7)(C) did a lot of testing at (b) (6), (b) (7)(C) facility  
14 before (b) (6), (b) (7)(C) ever received a first load from them.

15 (b) (6), (b) (7)(C) So when (b) (6), (b) (7)(C) take a look at these  
16 or make these evaluation, do (b) (6), (b) (7)(C) take a look at the  
17 controls of the building also in, in this evaluation?  
18 Like is (b) (6), (b) (7)(C) ventilation going to be able to handle  
19 this, is (b) (6), (b) (7)(C) electrical, you know, the process that (b) (6), (b) (7)(C)  
20 do using that equipment in the area, is that going to be  
21 appropriate? Do (b) (6), (b) (7)(C) take a look and evaluate that part of  
22 it?

23 (b) (6), (b) (7)(C) Yeah. Again, with all waste streams,  
24 when (b) (6), (b) (7)(C) start to think about how it will be treated, will  
25 there be for instance a reagent added to it. What type of

1 chemistry is involved. What type of reactions will take  
2 place. Is this, for instance, an exothermic reaction. Is  
3 this something that may generate a dust or a vapor. All  
4 that is part of the discussion with our technical group.

5 Again, (b) (6), (b) (7)(C) , (b) (6), (b) (7)(C) ,  
6 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C) also got a  
7 staff that works with (b) (6), (b) (7)(C) And (b) (6), (b) (7)(C) work closely with  
8 the operations to ensure that if there is anything that (b) (6), (b)  
9 know about when (b) (6), (b) (7)(C) going to treat something, that (b) (6), (b)  
10 have the proper controls in place.

11 So (b) (6), (b) (7)(C) be considering personal exposure. That  
12 might include adding a personal protective equipment  
13 requirement. (b) (6), (b) (7)(C) be considering everything that would  
14 go into the treatment process from receipt of the  
15 containers, to adding them to (b) (6), (b) (7)(C) treatment, to adding any  
16 reagents, to mixing, and then to actually removing them to  
17 the landfill for disposal.

18 (b) (6), (b) (7)(C) Since (b) (6), (b) (7)(C)  
19 (b) (6), (b) (7)(C) , what was (b) (6), (b) (7)(C) involvement in this  
20 process from a safety and health part of -- part of this?

21 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C)  
22 (b) (6), (b) (7)(C)

23 (b) (6), (b) (7)(C) Has it changed?

24 (b) (6), (b) (7)(C) Well, yes. I mean today, (b) (6), (b) (7)(C)  
25 (b) (6), (b) (7)(C)

1 (b) (6), (b) (7)(C) No, I understand what (b) (6), (b) (7)(C) do.  
2 But the role of the (b) (6), (b) (7)(C) is  
3 it the same as what (b) (6), (b) (7)(C)  
4 (b) (6), (b) (7)(C)  
5 (b) (6), (b) (7)(C) Well, (b) (6), (b) (7)(C) gone through different  
6 iterations of safety support. For instance, when (b) (6), (b) (7)(C)  
7 (b) (6), (b) (7)(C) ,  
8 (b) (6), (b) (7)(C) .  
9 (b) (6), (b) (7)(C)  
10 (b) (6), (b) (7)(C)  
11 (b) (6), (b) (7)(C) had technicians that worked at all of (b) (6), (b) (7)(C)  
12 facilities that reported (b) (6), (b) (7)(C) . And then (b) (6), (b) (7)(C)  
13 had various levels of expertise in health and safety at  
14 the facility. So (b) (6), (b) (7)(C) got corporate support, regional  
15 support, and then somebody designated at the site as  
16 responsible for health and safety.  
17 But the review of a waste stream and the  
18 process, a lot of that is done by (b) (6), (b) (7)(C) as (b) (6), (b) (7)(C)  
19 (b) (6), (b) (7)(C) , who has a very good understanding of industrial  
20 hygiene and safety procedures, and so that's a safety  
21 review. (b) (6), (b) (7)(C) is (b) (6), (b) (7)(C)  
22 (b) (6), (b) (7)(C) today. So while (b) (6), (b) (7)(C) main focus is  
23 environmental compliance, (b) (6), (b) (7)(C) also has the health and  
24 safety function reporting through (b) (6), (b) (7)(C)  
25 And (b) (6), (b) (7)(C) got a regional health and safety

1 manager that spends a lot of time at all the facilities  
2 providing some oversight as well. So (b) (6), (b) do a lot of  
3 different functions, I guess, within the health and safety  
4 field as far as people who review waste stream, people who  
5 are on site and providing support and oversight for  
6 operations.

7 (b) (6), (b) (7)(C) Do any of these individuals  
8 review NFPA-484 with combustible dusts?

9 (b) (6), (b) (7)(C) You know, (b) (6), (b) have looked at NFPA and  
10 building classifications in the past. I would say that  
11 would fall under our director of health and safety for,  
12 for our entire organization, (b) (6), (b) (7)(C), who looks at  
13 buildings, facilities, operations on a regular basis. And  
14 (b) (6), (b) (7)(C) a certified safety professional.

15 (b) (6), (b) (7)(C) So that would be one of (b) (6), (b) (7)(C)  
16 responsibilities to be looking at.

17 (b) (6), (b) (7)(C) Yes.

18 (b) (6), (b) (7)(C) Any other standards that would  
19 be relevant to the work (b) (6), (b) (7)(C)

20 (b) (6), (b) (7)(C) Yes.

21 (b) (6), (b) (7)(C) So that would be -- so (b) (6), (b) (7)(C)  
22 wouldn't be looking at any of that?

23 (b) (6), (b) (7)(C) Well, (b) (6), (b) have a lot of folks between  
24 (b) (6), (b) (7)(C) corporate office, (b) (6), (b) (7)(C) regional staff, and (b) (6), (b) (7)(C) site  
25 staff that any time there is an issue, whether it's a

1 compliance, health and safety, something (b) (6), (b) simply want to  
2 address, (b) (6), (b) call upon all the expertise that (b) (6), (b) (7)(C) got. I  
3 think you guys met with (b) (6), (b) (7)(C) . (b) (6), (b) (7)(C) our (b) (6), (b) (7)(C)  
4 (b) (6), (b) (7)(C) for the group. (b) (6), (b) has a lot of background and  
5 understanding of building design and certainly would be  
6 involved in that process as well.

7 (b) (6), (b) (7)(C) So when, when there is this  
8 designated safety review or this review conducted by (b) (6), (b) (7)(C)  
9 or anybody, I guess, was -- did anybody take a look to see  
10 if the building was compliant to NFPA-484 when (b) (6), (b) (7)(C)  
11 started doing metal dust deactivation and treatment?

12 (b) (6), (b) (7)(C) Yeah, I don't know if they  
13 specifically looked at that. I, I couldn't tell you that,  
14 yes, (b) (6), (b) pulled out the NFPA regs to see if (b) (6), (b) (7)(C) -- but I  
15 know that (b) (6), (b) had that conversation, in fact (b) (6), (b) (7)(C)  
16 (b) (6), (b) (7)(C) They have been for a

17 long time as to whether those NFPA rules apply to  
18 hazardous waste. As you know, hazardous waste doesn't fit  
19 into categories as well as manufactured products and other  
20 things in HAZCOM and NFPA. So (b) (6), (b) (7)(C) business in a whole and  
21 (b) (6), (b) (7)(C) industry has been evaluating that.

22 (b) (6), (b) (7)(C) Okay. So during this evaluation  
23 as an industry, what is kind of I guess the pulse of the  
24 industry? How are -- how are they feeling about NFPA-484?

25 (b) (6), (b) (7)(C) Well, I know that historically waste

1 storage has not been in compliance with that. So in (b) (6), (b) (7)(  
2 business where they actually handle, for instance,  
3 flammable liquids, where they're doing fuels blending,  
4 where they're doing pouring up of chemicals that are  
5 flammable or combustible, they certainly do go to the  
6 standards for doing that indoors.

7 But for the rest of the industry where they have  
8 indoor storage, it's very rare that anyone is using that  
9 type of approach, meaning the intrinsically safe,  
10 explosion proof, non-sparking tools, all the things that  
11 you would do in a building that actually has the hazards  
12 of a flammable vapor.

13 (b) (6), (b) (7)(C) So just to clarify on that,  
14 you're telling me not only U.S. Ecology but other -- TSDS,  
15 some of your competition, they're not using intrinsically  
16 safe environments for flammable vapors?

17 (b) (6), (b) (7)(C) Not for storage of chemicals,  
18 storage. When we're talking about like bringing in drums  
19 for long-term or for storage on site and they are  
20 considered just in storage, they're not doing that. So  
21 when they are actually handling materials that may include  
22 or, for instance, flammables or combustibles, or things  
23 that actually we know will have combustible/flammable  
24 vapors associated with them, yeah, I think that is  
25 incorporated. But that's not -- that's not really what

1 the intent of (b) (6), (b) (7)(C) stabilization building or (b) (6), (b) (7)(C) storage  
2 buildings are on the facilities that (b) (6), (b) (7)(C) operate.

3 (b) (6), (b) (7)(C) So had anybody evaluated when  
4 this is treated the generation of hydrogen when magnesium  
5 and water are reacted?

6 (b) (6), (b) (7)(C) Yeah. Well, (b) (6), (b) (7)(C) process would  
7 involve with the pre-shipment sample doing some bench  
8 scale testing. So in (b) (6), (b) (7)(C) lab, when (b) (6), (b) (7)(C) receive a  
9 pre-shipment sample and determine how (b) (6), (b) (7)(C) going to treat  
10 it, they take it in and actually react it with whatever  
11 the chemical reagents (b) (6), (b) (7)(C) plan to use. In the case of  
12 something that's simply a deactivation by wetting it, that  
13 would be the process.

14 So something like a metal fine, (b) (6), (b) (7)(C) would place  
15 that into a solution and monitor with a combustion meter  
16 to see if there is exceeding of an LEL. Or if (b) (6), (b) (7)(C) expect  
17 or know to look for certain types of vapors (b) (6), (b) (7)(C) would do  
18 that with colorimetric tubes or a multi-ray instrument, or  
19 a PID, something that would give (b) (6), (b) (7)(C) an idea that, okay,  
20 when (b) (6), (b) (7)(C) treat this particular waste, this is what (b) (6), (b) (7)(C) can  
21 expect to generate.

22 So that's always done on waste streams that  
23 (b) (6), (b) (7)(C) going to treat. And that would be done on a  
24 pre-shipment sample before (b) (6), (b) (7)(C) ever even approval a  
25 profile. And then once (b) (6), (b) (7)(C) are comfortable of what the

1 reaction is going to create, then (b) (6), (b) would decide (b) (6), (b) can  
2 go ahead and do that in our plant.

3 (b) (6), (b) (7)(C) : So is this pre-shipment profile  
4 different than a fingerprint?

5 (b) (6), (b) (7)(C): Yes. A pre-shipment would mean (b) (6), (b) (7)(C)  
6 got a generator that wants to ship (b) (6), (b) waste. (b) (6), (b) say,  
7 okay, (b) (6), (b) have to create a treatment recipe for your waste,  
8 please send (b) (6), (b) a sample in advance. So (b) (6), (b) would receive  
9 the sample, use that to determine how (b) (6), (b) will safely  
10 handle and treat the waste. When the -- when the actual  
11 waste arrives, that's when (b) (6), (b) are taking a sample that  
12 goes into the fingerprint analysis.

13 (b) (6), (b) (7)(C) Did that sample you're talking  
14 about, did that happen for Reade?

15 (b) (6), (b) (7)(C) Yes. It's my understanding in the  
16 first receipt of the waste stream (b) (6), (b) did all of that,  
17 which goes back to 2012.

18 (b) (6), (b) (7)(C) So the recipe and the way to  
19 treat, that was used from the profile after you received  
20 from the sample --

21 (b) (6), (b) (7)(C) In 2012.

22 (b) (6), (b) (7)(C) 2012.

23 (b) (6), (b) (7)(C) That's correct. Which is common.

24 (b) (6), (b) (7)(C) Sure. RCRA allows that. I get  
25 it. So how was the generation of hydrogen as a hazard

1 going to be mitigated when this process is going on?

2 (b) (6), (b) (7)(C) Yeah. So that, it's a question for

3 (b) (6), (b) (7)(C) I would -- I would tell you that (b) (6), (b) (7)(C) just from my  
4 understanding of (b) (6), (b) (7)(C) process, (b) (6), (b) (7)(C) would typically  
5 handle metal fines outdoors with lots of dilution,  
6 ventilation, very minimal hazard of some amount of  
7 evolution of a hydrogen in this case. The reason this  
8 particular waste stream was treated indoors was because it  
9 had a size, so essentially it was small particulate and (b) (6), (b)  
10 have a permit requirement that requires that to be dumped  
11 indoors rather than outside. It's part of (b) (6), (b) (7)(C) conditional  
12 use permit for the building.

13 So in this case, since it wasn't going to be  
14 dumped outside, my understanding was they mitigated that  
15 by having all the doors open and the ventilation system  
16 running to allow for the, you know, any type of gas vapor  
17 that would be generated to dissipate quickly.

18 And it was also my understanding that in their  
19 bench scale process, this particular waste stream, this  
20 magnesium powder, did not really generate a lot of gas  
21 vapor at a very fast rate. It was a very slow reaction.  
22 It really just reacts out in the water so there is not  
23 much there to begin with. They didn't anticipate it to,  
24 to really create a whole lot of a hydrogen. But they did  
25 take those measures on the engineering side to try to just

1 keep it from building up anywhere in the building at all.

2 (b) (6), (b) (7)(C) So when that happens, that's  
3 going to change how (b) (6), (b) (7)(C) ventilation system works?

4 (b) (6), (b) (7)(C) Yes.

5 (b) (6), (b) (7)(C) Did anybody take any tests or  
6 performance measurements to determine --

7 (b) (6), (b) (7)(C) I'm not aware of that or, or if it  
8 was done on that day. I'm not aware of that.

9 (b) (6), (b) (7)(C) Is that (b) (6), (b) (7)(C) again?

10 (b) (6), (b) (7)(C) Yeah. I would think (b) (6), (b) (7)(C) would know  
11 if they had done anything more to see what the dynamics of  
12 the actual air flow or building would be doing. There  
13 again, they, they didn't anticipate it to really generate  
14 much in this case hydrogen in this reaction the way they  
15 had it set up anyway.

16 (b) (6), (b) (7)(C) So are you allowed to dump  
17 powders like that with all your doors open and ventilation  
18 system open like that?

19 (b) (6), (b) (7)(C) Well, the, the specific requirement  
20 to dump the material in the building is really just to  
21 capture from the, the fugitive emission. So as long as  
22 with a visible observation of what's happening there, (b) (6), (b)  
23 don't actually, you know, the building still has a  
24 negative pressure so nothing is escaping from the  
25 building. Then, yes, it's still going to meet that

1 compliance.

2 It's not as specific in the conditional use  
3 permit as to how the arrangement of louvers, doors,  
4 windows, building, etc. are configured. It's really just  
5 that requirement to dump in the building to capture it.

6 (b) (6), (b) (7)(C) I asked about the procedures,  
7 like what procedures (b) (6), (b) (7)(C) work to and things like  
8 that. And I was given the directive to look at the WAP.  
9 I looked at the WAP and it doesn't really mention anything  
10 about metal fines, or magnesium treatment, or anything  
11 like that. Is that -- is that really intended for how (b) (6), (b) (7)(  
12 (b) (6), (b) (7)(C) dispose of magnesium waste? I guess kind of explain  
13 to me what the -- what the purpose of the WAP is.

14 (b) (6), (b) (7)(C) So the WAP is (b) (6), (b) (7)( waste analysis  
15 plan. It is (b) (6), (b) (7)( permit requirement, essentially (b) (6), (b) (7)(  
16 standard operating procedure for how (b) (6), (b) do acceptance.  
17 It's (b) (6), (b) (7)( waste acceptance criteria is included in (b) (6), (b) (7)(  
18 waste analysis plan. It's how (b) (6), (b) review and decide  
19 whether to accept a waste stream, and then how (b) (6), (b) receive  
20 sample, analyze, treat, and ultimately dispose of waste.  
21 It covers all of that.

22 There are general categories identified in the  
23 WAP as to what types of treatment (b) (6), (b) can do, and steps,  
24 and process for all of those major categories. It doesn't  
25 specifically call out a waste stream by name or chemical.

1 But it does have many categories. So what you're looking  
2 for would be something like a reactive waste stream that  
3 (b) (6), (b) are going to deactivate and that is covered in the WAP.

4 (b) (6), (b) (7)(C) So are employees, would they use  
5 that document for anything or is that just something for  
6 (b) (6), (b) (7)(C) to show the regulatory agencies that come.

7 (b) (6), (b) (7)(C) All employees are trained to their  
8 specific duties. So certain aspects of the WAP have  
9 process that are carried out by an equipment operator, a  
10 field technician, a lab technician. So where there is a  
11 specific requirement, employees will receive training and  
12 actually perform those duties as prescribed in the WAP.

13 (b) (6), (b) (7)(C) So the employees would have --  
14 they should be familiar with the WAP and what is all  
15 entailed in it?

16 (b) (6), (b) (7)(C) Well, I will tell you that employees  
17 are familiar with their responsibilities of what --

18 (b) (6), (b) (7)(C) That's what --

19 (b) (6), (b) (7)(C) -- what they do. Whether they all  
20 have a full understanding of everything that's in the  
21 waste analysis plan, I don't know. But I would think  
22 based on what their particular functions are, yes, they  
23 are familiar with the requirements.

24 (b) (6), (b) (7)(C) What type of -- can you -- if  
25 you think back specifically to Reade --

1 (b) (6), (b) (7)(C) Yeah.

2 (b) (6), (b) (7)(C) -- and generation of this  
3 magnesium fines coming from Reade, (b) (6), (b) (7)(C)

4 (b) (6), (b) (7)(C) how is the WAP used and  
5 who would use it, and how are decisions made using that  
6 WAP?

7 (b) (6), (b) (7)(C) Sure. So again (b) (6), (b) (7)(C) process would  
8 start with a sales exec talking to a customer and/or  
9 generator. In some cases, that's the same thing. So you  
10 guys understand how (b) (6), (b) (7)(C) process works, (b) (6), (b) (7)(C) work with a  
11 waste broker in some cases who acts as a broker, an  
12 intermediary, right? They are setting up the process by  
13 which (b) (6), (b) (7)(C) might receive the waste. So with Reade, (b) (6), (b) (7)(C) do  
14 have a customer in between (b) (6), (b) (7)(C) and the generator of the  
15 waste.

16 (b) (6), (b) (7)(C) Who is that broker?

17 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C)

18 (b) (6), (b) (7)(C) And the person who is -- was  
19 involved in the Reade, specifically the Reade waste?

20 (b) (6), (b) (7)(C) Yes. (b) (6), (b) (7)(C) name is (b) (6), (b) (7)(C)

21 (b) (6), (b) (7)(C) How do you spell the last name there,

22 (b) (6), (b) (7)(C)

23 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C) (b) (6), (b) (7)(C)

24 (b) (6), (b) (7)(C)

25 (b) (6), (b) (7)(C) Is (b) (6), (b) (7)(C) out of (b) (6), (b) (7)(C)

1 (b) (6), (b) (7)(C) Oh, boy. (b) (6), (b) (7)(C) office, I know it's,  
2 (b) (6), (b) (7)(C) I might say (b) (6), (b) (7)(C) but  
3 (b) (6), (b) (7)(C) . (b) (6), (b) (7)(C)  
4 (b) (6), (b) (7)(C) .  
5 (b) (6), (b) (7)(C)  
6 (b) (6), (b) (7)(C) Okay.  
7 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C) sales exec is in (b) (6), (b) (7)(C)  
8 (b) (6), (b) (7)(C) Yeah.  
9 GOLDBERG/TEIG: (b) (6), (b) (7)(C) you asked me for some  
10 contact information. I sent that to you just a little bit  
11 ago.  
12 (b) (6), (b) (7)(C) Oh, great, okay.  
13 GOLDBERG/TEIG: With the address, phone number,  
14 email for (b) (6), (b) (7)(C) And it's actually in (b) (6), (b) (7)(C)  
15 (b) (6), (b) (7)(C)  
16 (b) (6), (b) (7)(C) Oh, there you go, (b) (6), (b) (7)(C)  
17 (b) (6), (b) (7)(C) Of course, (b) (6), (b) (7)(C) is. Thank you.  
18 GOLDBERG/TEIG: Of course, (b) (6), (b) (7)(C) is.  
19 (b) (6), (b) (7)(C) Sorry to interrupt.  
20 (b) (6), (b) (7)(C) Okay. So (b) (6), (b) (7)(C) sales exec would have  
21 that conversation with in this case (b) (6), (b) (7)(C)  
22 or (b) (6), (b) (7)(C) And they would be discussing a particular  
23 waste stream. And the process would include (b) (6), (b) (7)(C) staff at  
24 the facility, meaning (b) (6), (b) (7)(C) as (b) (6), (b) (7)(C)  
25 (b) (6), (b) (7)(C) and/or in the first contact with Reade it was (b) (6), (b) (7)(C)

1 (b) (6), (b) (7)(C) as our (b) (6), (b) (7)(C) . Today, it would be

2 (b) (6), (b) (7)(C) as (b) (6), (b) (7)(C) .

3 And (b) (6), (b) (7)(C) might not have all the technical  
4 information, so they would go back to (b) (6), (b) (7)(C) and ask some  
5 questions, or they might go to (b) (6), (b) (7)(C) as the (b) (6), (b) (7)(C)  
6 (b) (6), (b) (7)(C) and ask some questions. So there's, there's a lot  
7 of discussion that occurs. So with the sales person, with  
8 the customer, with (b) (6), (b) (7)(C) staff as (b) (6), (b) (7)(C) are evaluating waste  
9 stream.

10 In this particular case (b) (6), (b) (7)(C)  
11 (b) (6), (b) (7)(C) there were multiple  
12 communications, emails, phone discussions, which led to (b) (6), (b) (7)(C)  
13 asking for a pre-shipment sample. A pre-shipment sample  
14 is not mandatory for all waste stream. It's something  
15 that (b) (6), (b) (7)(C) ask for if (b) (6), (b) (7)(C) think (b) (6), (b) (7)(C) might need to do a bench  
16 scale test on the treatment for exactly what you're asking  
17 about, to determine does this heat up. Does this generate  
18 a vapor when (b) (6), (b) (7)(C) do (b) (6), (b) (7)(C) treatment? How does it react?

19 It also is how (b) (6), (b) (7)(C) determine if (b) (6), (b) (7)(C) can meet the  
20 land disposal restriction for a TCLP. So (b) (6), (b) (7)(C) going to  
21 stabilize something. (b) (6), (b) (7)(C) have to sample it, run it through  
22 (b) (6), (b) (7)(C) TCLP to see if (b) (6), (b) (7)(C) treated it to meet a treatment  
23 standard to go in the landfill. All that is part of that  
24 process. (b) (6), (b) (7)(C) receive the waste.

25 In this case, there is no TCLP. There is no

1 post-treatment verification for a simple deactivation of  
2 something like this which is a metal fine. So it's simply  
3 (b) (6), (b) deactivate it. (b) (6), (b) do it in a slurry. (b) (6), (b) solidify it,  
4 place it in landfill. So that happened. (b) (6), (b) asked for the  
5 sample. Sample is received. (b) (6), (b) did our analysis at the  
6 site. (b) (6), (b) (7)(C) and (b) (6), (b) (7)(C) would have treated it as however  
7 it would be treated as, as the waste would come in. And  
8 then (b) (6), (b) agreed to go ahead and, and put a price on it and  
9 arrange for a shipment.

10 So all that happens and --

11 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C)

12 (b) (6), (b) (7)(C) Yes.

13 (b) (6), (b) (7)(C) And does the sample still exist?

14 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C)

15 (b) (6), (b) (7)(C) Mm-hmm.

16 (b) (6), (b) (7)(C) No. They're not archived. The  
17 samples from the shipment in November still exist.

18 (b) (6), (b) (7)(C) Okay.

19 (b) (6), (b) (7)(C) So, so (b) (6), (b) get to the point where they  
20 arrange for the shipment. Shipment arrives. Then it goes  
21 into what you see in the waste analysis plan of inspection  
22 upon arrival, sampling, fingerprint analysis, and then a  
23 plan for treatment, which in (b) (6), (b) (7)(C) case involves work  
24 orders.

25 People use different terms because (b) (6), (b) (7)(C) systems

1 change over time. So you may have heard them talk about  
2 an ICF or an inventory control form, which is now called a  
3 work order, or a batch sheet, or a mix sheet, which is  
4 what basically the guys in the field will use that's very  
5 prescriptive, that tells them how to treat the waste.

6 (b) (6), (b) (7)(C) How, how are the hazards  
7 communicated to the employee? So in this case, it's  
8 particulate and hydrogen. How is that hazard communicated  
9 to the actual people doing the work and handling these  
10 chemicals, this material?

11 (b) (6), (b) (7)(C) Are you asking about this specific  
12 one, because there -- it depends. There's, there's all  
13 different types of scenarios of when (b) (6), (b) do treatment of  
14 what (b) (6), (b) might be preparing for or implementing.

15 (b) (6), (b) (7)(C) So I guess yes to both  
16 questions.

17 (b) (6), (b) (7)(C) Okay.

18 (b) (6), (b) (7)(C) So what, what typically happens  
19 and then what kind -- what would generally happen with  
20 this one.

21 (b) (6), (b) (7)(C) Sure. When (b) (6), (b) receive a new waste  
22 stream that may have unique hazards, (b) (6), (b) would pull  
23 together the stabilization group, whether it's the outdoor  
24 stabilization group or the indoor stabilization group, and  
25 kind of talk through essentially an impromptu JHA. (b) (6), (b)

1 might not write it up every single time, but (b) (6), (b) would have  
2 a discussion about this is a particular waste stream that  
3 (b) (6), (b) know can get real hot and here's how that's going to be  
4 handled or here's what (b) (6), (b) (7)(C) going to put in place to, to  
5 ensure that that's not a problem.

6 So this particular waste stream, you know, not  
7 being there. (b) (6), (b) (7)(C) I don't know exactly  
8 what the process, what they went through. But there would  
9 have been communication. There would have been  
10 instructions written on the batch sheet if there was any  
11 unique hazards, if there was anything that (b) (6), (b) (7)(C) had  
12 decided they needed to do. For instance, (b) (6), (b) may say, you  
13 know, as an example, add 10 drums, and then sample and  
14 take a pH, and tell me what the pH is before you add the  
15 next group. Not on this waste stream, but that's an  
16 example of an instruction that would be given.

17 So I don't think there were much more  
18 instructions given other than some general guidelines for  
19 this particular waste stream.

20 (b) (6), (b) (7)(C) So anything that would -- that  
21 would have been communicated most likely would have been  
22 on the batch sheet or the dump sheet, itself.

23 (b) (6), (b) (7)(C) Yes.

24 (b) (6), (b) (7)(C) Does that also include the PPE  
25 requirements?

1 (b) (6), (b) (7)(C) Yes. There may be specific PPE  
2 required based on if (b) (6), (b) know something could be say an  
3 irritant, (b) (6), (b) would bump up to wearing a full-face  
4 respirator so that you don't have an irritant to your  
5 eyes. So that's also on the batch sheet.

6 (b) (6), (b) (7)(C) And who, who evaluates that PPE  
7 and prescribes that?

8 (b) (6), (b) (7)(C) Typical, (b) (6), (b) (7)(C)  
9 (b) (6), (b) (7)(C) may also provide input to those.

10 (b) (6), (b) (7)(C) The ventilation system that's  
11 being used, is it -- is it intent for environmental dust  
12 control or worker protection?

13 (b) (6), (b) (7)(C) The original construction of the  
14 stabilization building was primarily to handle a waste  
15 stream that was very common to (b) (6), (b) (7)(C) which was  
16 KO-61, which is electric arc furnace dust. The KO-61,  
17 electric arc furnace dust is a fine particulate, which is  
18 why the requirement to dump it indoors rather than outside  
19 where you would have fugitive dust emission. So the  
20 original reason to have the building and the ventilation  
21 system was environmental control. It was not ever set up  
22 to be a personal exposure protection. However, it does  
23 reduce the amount of dust that a person working in that  
24 building would have.

25 (b) (6), (b) (7)(C) Did (b) (6), (b) (7)(C) do any sampling to

1 determine how (b) (6), (b) (7)(C) controls are working?

2 (b) (6), (b) (7)(C) Are you asking about personal,  
3 monitoring? Absolutely. (b) (6), (b) (7)(C) done many over the years.  
4 The KO-61 includes lots of heavy metals. And so when (b) (6), (b)  
5 were doing lots of that type of treatment, the chemical of  
6 concern where (b) (6), (b) even came close was lead, which you can  
7 imagine understanding the low exposure limits for lead.  
8 But (b) (6), (b) (7)(C) were able to work in that environment below the  
9 PELs for lead, cadmium, arsenic, all of those KO-61  
10 constituents in that building, and our rail facility, and  
11 others.

12 (b) (6), (b) (7)(C) And then (b) (6), (b) (7)(C) samples were below  
13 the PELs?

14 (b) (6), (b) (7)(C) Yes.

15 (b) (6), (b) (7)(C) How about action levels, did (b) (6), (b) (7)(C)  
16 get below those?

17 (b) (6), (b) (7)(C) I think there, there may have been, I  
18 mean trying to -- from memory an occasion where (b) (6), (b)  
19 exceeded an action level. And I, I'd hate to guess, but  
20 I'm pretty sure it would be lead.

21 (b) (6), (b) (7)(C) Do you still do those types of  
22 KO-61s?

23 (b) (6), (b) (7)(C) Very rarely. The business has gone  
24 off to recycling for zinc and so (b) (6), (b) rarely receive any of  
25 that material now. What (b) (6), (b) receive now is when they clean

1 out, they call it a knock out product, when they clean out  
2 their bag house systems at the steel mills. So it's not  
3 the same type of bag house dust that (b) (6), (b) (7)(C) used to receive.

4 (b) (6), (b) (7)(C) Okay.

5 (b) (6), (b) (7)(C) (b) (6), (b) (7)(C) I was hoping you could walk me  
6 through --

7 (b) (6), (b) (7)(C) Yeah.

8 (b) (6), (b) (7)(C) Yesterday, it was brought up  
9 specifically about the waste profiles and specifically to  
10 the magnesium fine dust led to the explosion. Walk me  
11 through your knowledge of the interaction between (b) (6), (b) (7)(C)  
12 employees, (b) (6), (b) (7)(C), and the broker, or Reade  
13 directly if there was any communication there regarding  
14 the waste that came, that was involved in the accident.

15 (b) (6), (b) (7)(C) So only concerning this most recent  
16 shipment in November?

17 (b) (6), (b) (7)(C) Mm-hmm.

18 (b) (6), (b) (7)(C) Yeah. I had no knowledge of it at  
19 all. I was not consulted in any way on, on this  
20 particular waste stream, which again is typical. There

21 (b) (6), (b) (7)(C) So  
22 anything I would share with you would be secondhand as far  
23 as what I heard since.

24 (b) (6), (b) (7)(C) Sure.

25 (b) (6), (b) (7)(C) But, you know, so I -- I don't -- I

1 don't -- I know that, you know, (b) (6), (b) (7)(C) systems and process,  
2 as I described earlier, was followed based on the, the  
3 waste analysis procedure and what (b) (6), (b) (7)(C) have in our computer  
4 systems, meaning there is a valid profile that exists for  
5 the, the waste as, as it was shipped in November. But as  
6 far as communications, I, I wouldn't be able to speak to  
7 that, what type of communications they had.

8 (b) (6), (b) (7)(C) , probably, do we  
9 know?

10 (b) (6), (b) (7)(C) Yes. (b) (6), (b) (7)(C) would, would know.

11 (b) (6), (b) (7)(C) definitely was involved in, in the  
12 conversation.

13 (b) (6), (b) (7)(C) And you wouldn't have any -- you  
14 didn't have any interaction specifically with the profile.  
15 I think you mentioned there was some profile that had to  
16 go back and get recertified or redone --

17 (b) (6), (b) (7)(C) Yeah.

18 (b) (6), (b) (7)(C) -- because it was newer than the 2012  
19 one. And I'm just curious (b) (6), (b) (7)(C)  
20 that's fine, but if you are do you have --

21 (b) (6), (b) (7)(C) I can explain to you how that process  
22 works. (b) (6), (b) (7)(C) But I  
23 know that that did come up during this discussion that  
24 when the shipment arrived, they realized that the profile  
25 had expired, which is common. It's actually a systematic

1 control that when a generator ships waste to (b) (6), (b) and then  
2 they stop for a period of time, so if (b) (6), (b) don't receive  
3 anything from them for more than a year or every year (b) (6), (b)  
4 have to recertify a profile.

5 So regular shipments will go through a process  
6 where one of (b) (6), (b) (7)( customer service folks will say, hey,  
7 you're still shipping waste to (b) (6), (b) (7)( you need to recertify.  
8 In this case, (b) (6), (b) hadn't received the waste for 5 years, so  
9 nobody in (b) (6), (b) (7)( customer service reached out to say you need  
10 to recertify this profile. It essentially sits dormant  
11 until somebody wants to ship under the profile again. So  
12 that's typical that a waste is coming to (b) (6), (b) and (b) (6), (b) say (b) (6), (b)  
13 need to renew or recertify the profile.

14 So it goes back through the process whereby the  
15 generator or customer has to review it and make sure that  
16 it still is exactly the same material and sign it, and  
17 update it with the current date to say that to their  
18 knowledge, which in (b) (6), (b) (7)( business we really rely on and  
19 trust the generators to certify that this is what we're  
20 shipping you. So that control in (b) (6), (b) (7)( system is, is to do  
21 that.

22 You haven't shipped to (b) (6), (b) in 5 years. Here's  
23 the profile. Is this the same material? Is this the same  
24 profile you want to ship under? They would review it.  
25 They would sign it. And then it can now be received into

1 (b) (6), (b) (7)(C) system. So (b) (6), (b) (7)(C) receiving technician maybe had a truck  
2 on site. The first thing they do is a piece count, part  
3 of the WAP.

4 (b) (6), (b) (7)(C) Yeah.

5 (b) (6), (b) (7)(C) You told me you sent me 134 drums. I  
6 go and count. Yes, there is 134. They call it up. The  
7 receiving clerk would go into our system to enter it, and  
8 it would come up and say this is not a current profile.  
9 So (b) (6), (b) (7)(C) now have to go back and get that renewal done. The  
10 whole process would stop at that point until they sign off  
11 on it and say, yes, this is the valid profile.

12 (b) (6), (b) (7)(C) So who from U.S. Ecology went and got  
13 that renewed profile, that new one?

14 (b) (6), (b) (7)(C) You know I don't know exactly. I  
15 know it would be in (b) (6), (b) (7)(C) customer service department or (b) (6), (b) (7)(C)  
16 waste approval, which is (b) (6), (b) (7)(C) , or one of the  
17 members of (b) (6), (b) (7)(C) customer service group. Any of them could  
18 do that. They would reach out to the customer and say we  
19 need to have this profile renewed before we can receive  
20 your waste.

21 (b) (6), (b) (7)(C) And in this case it would be the  
22 broker?

23 (b) (6), (b) (7)(C) In this case, it was a broker, yes.

24 (b) (6), (b) (7)(C) So there wasn't any direct -- to your  
25 knowledge, was there any direct communication to Reade?

1 With the people you mentioned in your sales, do you know  
2 if there was any communication with Reade related to the  
3 waste that was shipped, that led to this explosion?

4 (b) (6), (b) (7)(C) Are you asking before it was shipped  
5 or after? I mean I, I don't know of any of those --

6 (b) (6), (b) (7)(C) Post 2012.

7 (b) (6), (b) (7)(C) Oh, since.

8 (b) (6), (b) (7)(C) Yeah.

9 (b) (6), (b) (7)(C) Yeah, I, to my knowledge, no. I, I  
10 don't know about that. I would -- I would assume that (b) (6), (b) (7)(C)  
11 sales exec is talking to (b) (6), (b) (7)(C) customer, the broker.

12 (b) (6), (b) (7)(C) The broker.

13 (b) (6), (b) (7)(C) I know that happens. Is there any  
14 direct discussion between (b) (6), (b) (7)(C) sales exec or any of (b) (6), (b) (7)(C)  
15 staff and the manufacturer or the generator in this case,  
16 that I don't know. I don't know of any.

17 (b) (6), (b) (7)(C) And (b) (6), (b) (7)(C) would be (b) (6), (b) (7)(C) sales  
18 exec?

19 (b) (6), (b) (7)(C) That's right.

20 (b) (6), (b) (7)(C) Is (b) (6), (b) (7)(C) in Jersey, too?

21 (b) (6), (b) (7)(C) Yes.

22 (b) (6), (b) (7)(C) So we talked about samples before.  
23 The pre-shipment sample in 2012 doesn't exist.

24 (b) (6), (b) (7)(C) Correct.

25 (b) (6), (b) (7)(C) Correct? But the sample that was

1 sent, you said the sample was sent for this recent  
2 material or not.

3 (b) (6), (b) (7)(C) No.

4 (b) (6), (b) (7)(C) No.

5 (b) (6), (b) (7)(C) Not a pre-shipment sample.

6 (b) (6), (b) (7)(C) Not a pre-shipment sample.

7 (b) (6), (b) (7)(C) No.

8 (b) (6), (b) (7)(C) It was all samples post explosion.

9 (b) (6), (b) (7)(C) Well, no. There were samples taken  
10 upon receipt.

11 (b) (6), (b) (7)(C) Okay. And those still exist?

12 (b) (6), (b) (7)(C) Yes.

13 (b) (6), (b) (7)(C) Where are those located?

14 (b) (6), (b) (7)(C) They're locked in a C-container at  
15 the facility.

16 (b) (6), (b) (7)(C) Under chain of custody, do (b) (6), (b) (7)(C)  
17 use any --

18 (b) (6), (b) (7)(C) Yes.

19 (b) (6), (b) (7)(C) Okay. Tell me about those samples,  
20 if you know. How were they taken and who took them?

21 (b) (6), (b) (7)(C) So under the waste analysis plan,  
22 when (b) (6), (b) (7)(C) receive a line item of waste that is  
23 containerized, (b) (6), (b) (7)(C) requirement is to sample at least  
24 10 percent of the containers. So there would have been  
25 samples taken from 10 percent of the total number of drums

1 that (b) (6), (b) received.

2 So in this case I think there were -- I don't  
3 know if I remember the exact number, 140 drums on a line  
4 item, (b) (6), (b) would take 14 samples. Those samples are what (b) (6), (b)  
5 have under the chain of custody locked up.

6 (b) (6), (b) (7)(C) And those were recovered post  
7 explosion.

8 (b) (6), (b) (7)(C) Correct. They would have been taken,  
9 the samples would have been taken by a field technician or  
10 somebody at our drum pad. And then they were stored in  
11 our laboratory. So after the explosion, (b) (6), (b) were able to  
12 go recover some of that, yes.

13 (b) (6), (b) (7)(C) And the details around who took those  
14 and their techniques and that, would that be (b) (6), (b) (7)(C)  
15 would have that type of knowledge?

16 (b) (6), (b) (7)(C) Yes.

17 (b) (6), (b) (7)(C) If (b) (6), (b) (7)(C) decides to retire  
18 tomorrow, who backs him up?

19 (b) (6), (b) (7)(C) Well, (b) (6), (b) (7)(C), as (b) (6), (b) (7)(C)  
20 (b) (6), (b) (7)(C), has a few folks that work for (b) (6), (b) (7)(C) The customer  
21 service group reports up through (b) (6), (b) (7)(C) and the lab staff  
22 and receiving staff all report up through (b) (6), (b) (7)(C) The way  
23 (b) (6), (b) (7)(C) set up is (b) (6), (b) (7)(C) has most of the  
24 operations in the field. And (b) (6), (b) (7)(C), as our (b) (6), (b) (7)(C)  
25 (b) (6), (b) (7)(C) supervises the administrative functions.

1 (b) (6), (b) (7)(C) Sure.

2 (b) (6), (b) (7)(C) And then (b) (6), (b) (7)(C) as our (b) (6), (b) (7)(C)  
3 (b) (6), (b) (7)(C) has a couple other of the ancillary functions  
4 (b) (6), (b) (7)(C) . So (b) (6), (b) (7)(C) has folks  
5 that lead each of those groups, receiving, customer  
6 service, waste approval, and lab. (b) (6), (b) (7)(C) (ph.) is our  
7 primary -- I can't remember (b) (6), (b) (7)(C) title right now. But (b) (6), (b) (7)(C)  
8 is in charge of (b) (6), (b) (7)(C) lab and receiving as a supervisor. So  
9 (b) (6), (b) (7)(C) would be the -- or (b) (6), (b) (7)(C) would be the next in line from  
10 (b) (6), (b) (7)(C) But I would say it would bump up to (b) (6), (b) (7)(C) as far as  
11 oversight and responsibilities as the (b) (6), (b) (7)(C) .  
12 (b) (6), (b) (7)(C) reports to (b) (6), (b) (7)(C)

13 (b) (6), (b) (7)(C) Well, the only reason I asked is  
14 because I think a lot of my questions are going to be with  
15 (b) (6), (b) (7)(C)

16 (b) (6), (b) (7)(C) Yeah.

17 (b) (6), (b) (7)(C) So I just was trying to understand  
18 the hierarchy a little bit more.

19 (b) (6), (b) (7)(C) Well, I hate to put so much pressure  
20 on (b) (6), (b) (7)(C) to answer the questions, but (b) (6), (b) (7)(C) the most closely  
21 related to the process. And (b) (6), (b) (7)(C) do rely on (b) (6), (b) (7)(C) quite a  
22 bit. (b) (6), (b) (7)(C) a very smart (b) (6), (b) (7)(C) (b) (6), (b) (7)(C) .

23 And (b) (6), (b) (7)(C) and really understands  
24 the art of treating waste. And it really is. It's a lot  
25 of science and it's smart, and it requires a lot of

1 learning from experience to do it. And (b) (6), (b) (7)(C) got that  
2 experience.

3 (b) (6), (b) (7)(C) Where does -- as (b) (6), (b) (7)(C) ,  
4 where is (b) (6), (b) (7)(C) Does (b) (6), (b) (7)(C) report to you?

5 (b) (6), (b) (7)(C) No. (b) (6), (b) (7)(C) reports to (b) (6), (b) (7)(C) as the  
6 (b) (6), (b) (7)(C) .

7 (b) (6), (b) (7)(C) Okay.

8 (b) (6), (b) (7)(C) Yeah. Also has been at the site for  
9 a long, long time. (b) (6), (b) (7)(C) , if I'm  
10 right.

11 (b) (6), (b) (7)(C) I think that most of my questions are  
12 probably going to be directed -- (b) (6), (b) (7)(C) is probably the  
13 right (b) (6), (b) (7)(C) to ask. (b) (6), (b) (7)(C)  
14 (b) (6), (b) (7)(C) . And look at other plants for the questions  
15 I'm going to ask. So appreciate your time today.

16 (b) (6), (b) (7)(C) Oh, absolutely.

17 (b) (6), (b) (7)(C) And I think that's all I have.

18 (b) (6), (b) (7)(C) I don't have any other  
19 questions.

20 (b) (6), (b) (7)(C) Great, thank you, guys.

21 (b) (6), (b) (7)(C) We can stop the recording.

22 (End of Interview)

23

24

25

## CERTIFICATION

I, (b) (6), (b) (7)(C) court approved transcriber,  
certify that the foregoing is a correct transcript from  
the official electronic sound recording of the proceedings  
in the above-entitled matter.

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05/01/2023

Burke Court Reporting & Transcription

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